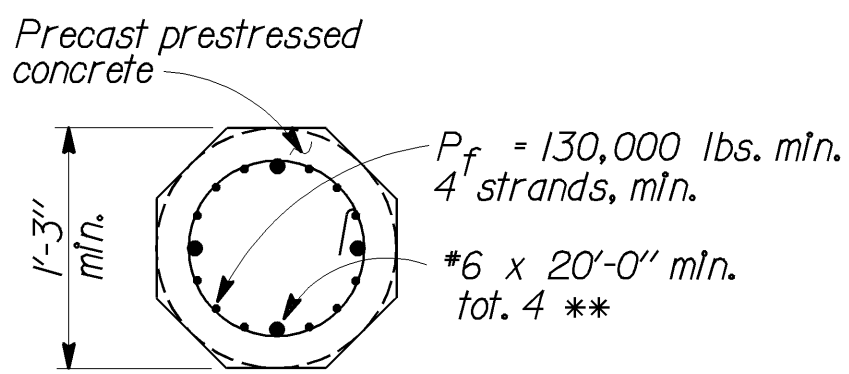
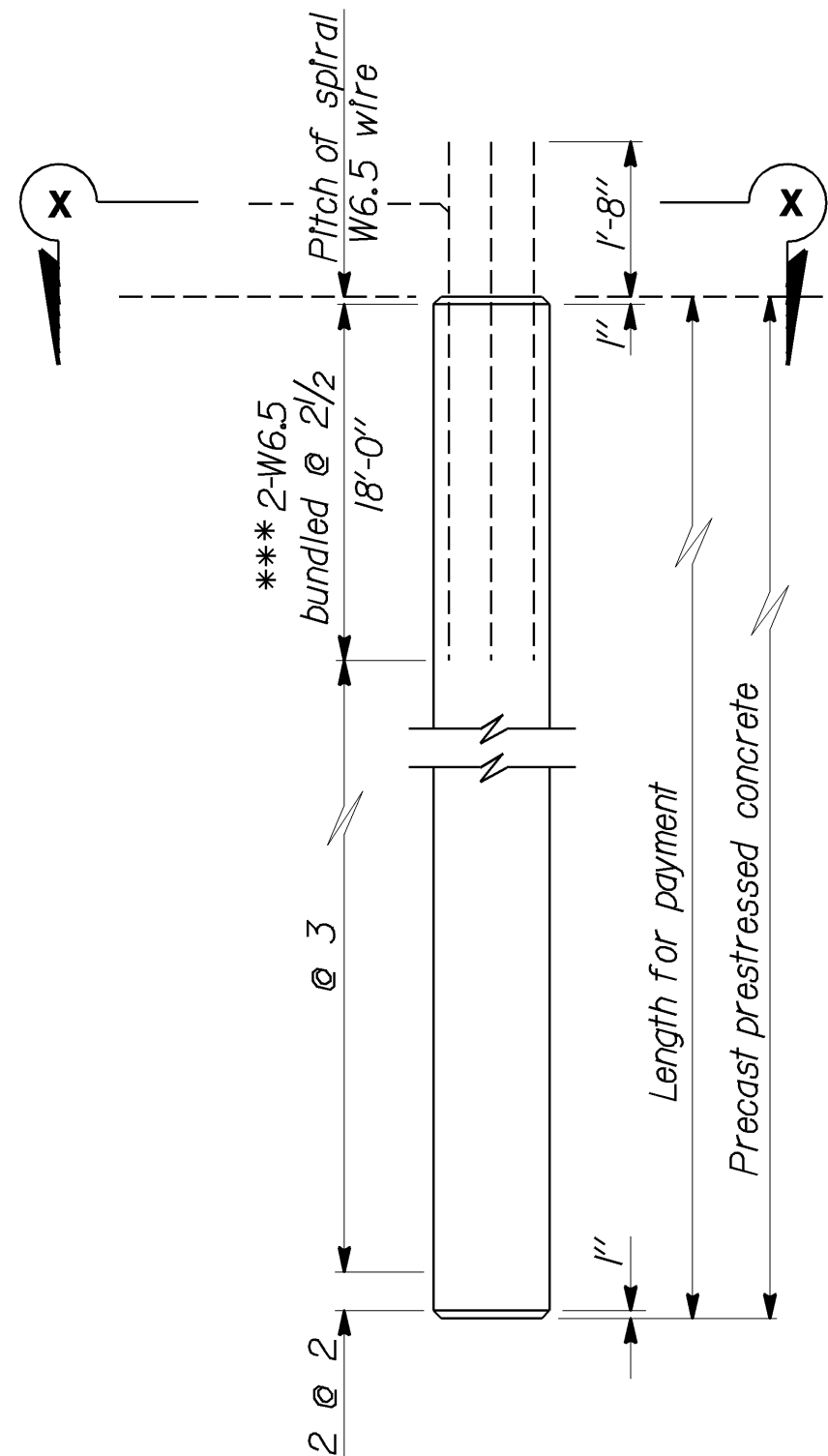


SECTION X-X

** To be in place when pile is cast

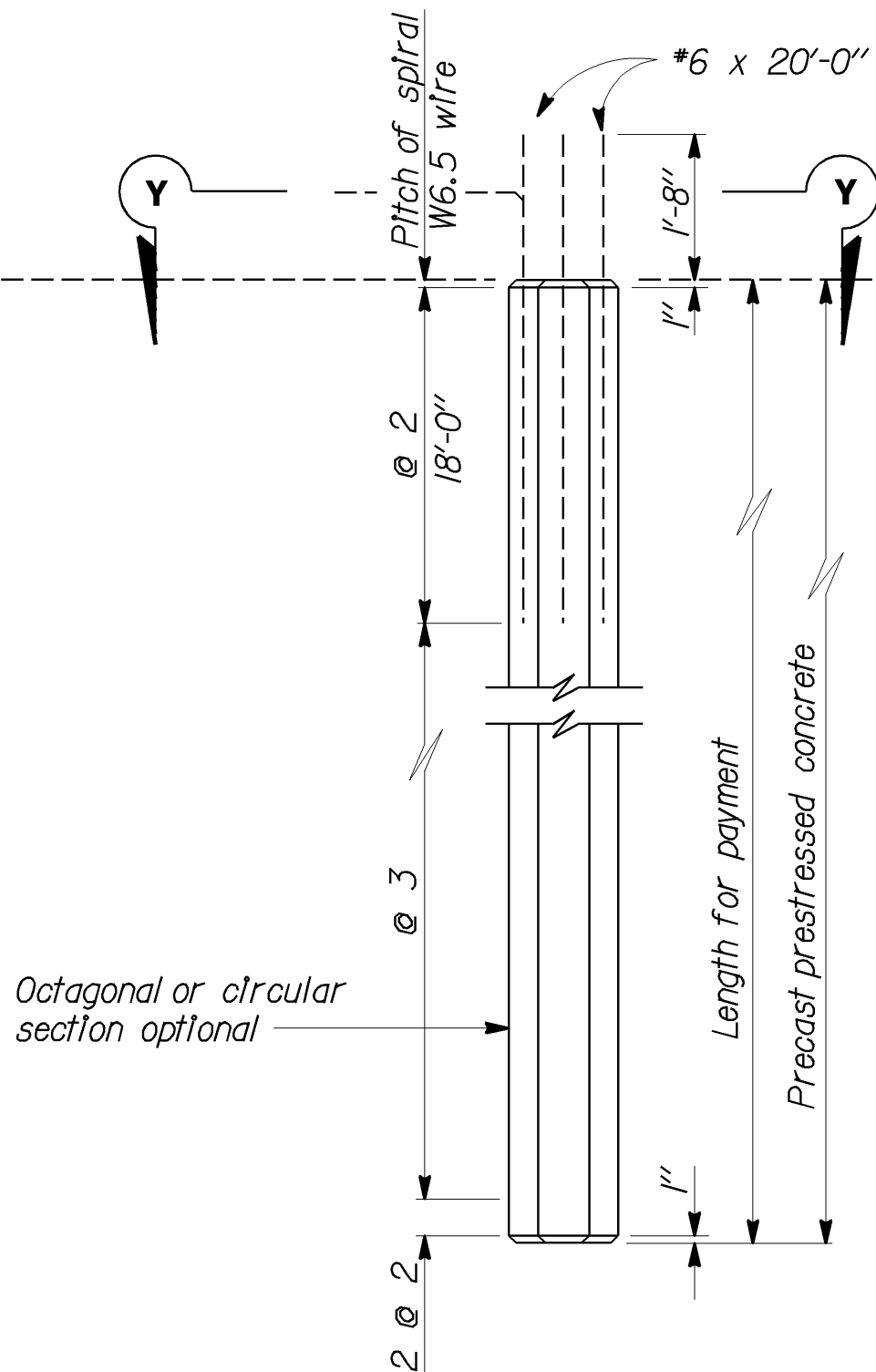


SECTION Y-Y

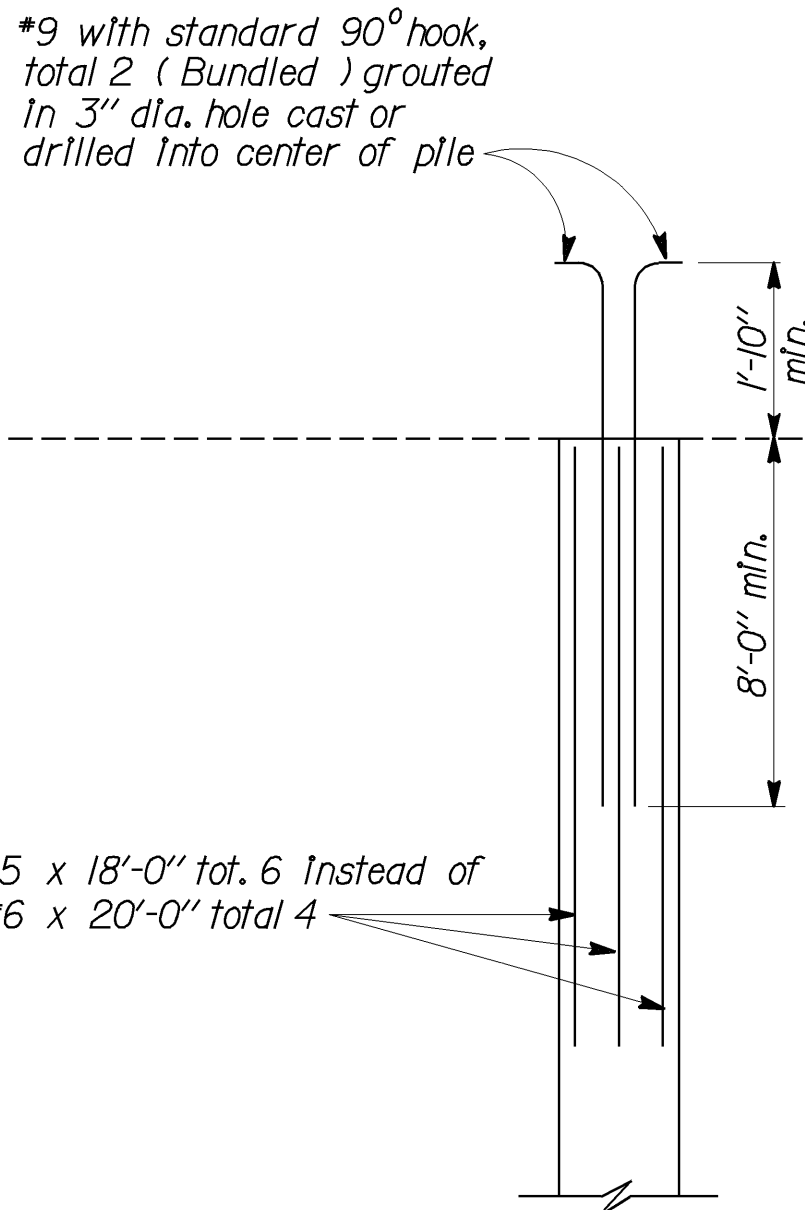


ALTERNATIVE 'X'

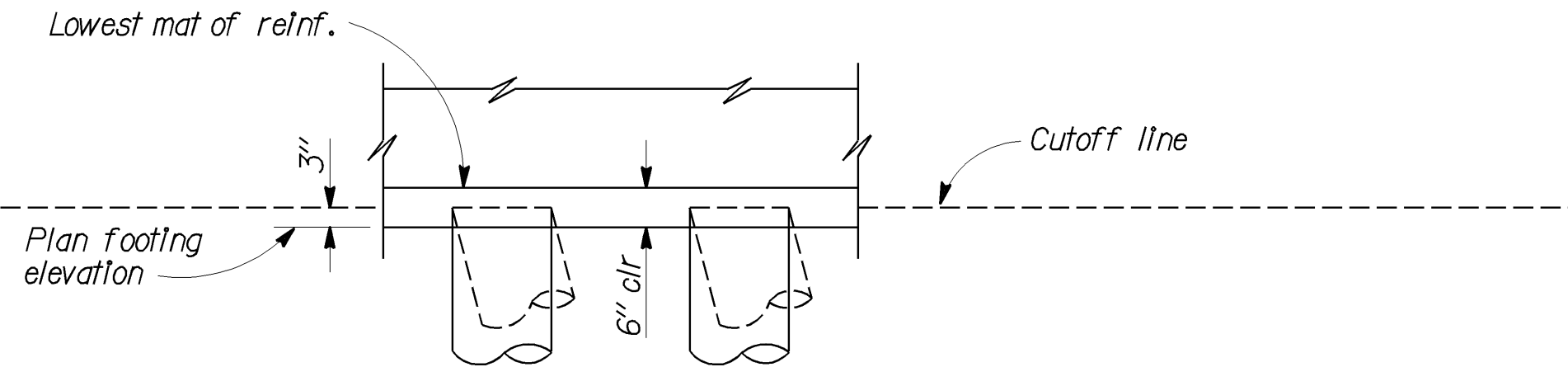
*** Will at 2 may be substituted



ALTERNATIVE 'Y'



ALTERNATIVE PILE ANCHOR FOR PRESTRESSED PILES



PILE EMBEDMENT

NOTES:

Pile reinforcement extending into a footing shall be hooked as required to provide clearance to top of footing. Piles shall be extended only in accordance with details shown elsewhere in these plans.

Lapped splices in spiral pile reinforcement shall be lapped 80 wire diameters minimum. Spiral pile reinforcement at splices and at ends shall be terminated by a 135° hook with 6" tall hooked around a longitudinal bar or strand.

2" clearance to spiral reinforcement shall be maintained if section used is larger than the minimum section shown.

* Insulate top and side surfaces of pile that will be embedded in concrete by applying epoxy coating. Coating shall completely cover all concrete or metal surfaces including any exposed reinforcing or prestressing steel.

* Reinforcing bars which extend into cast-in-place concrete shall be epoxy coated full length.

* Only high density mortar blocks permitted in concrete piles.

All concrete in piles shall contain not less than 752 pounds of cement per cubic yard.

Maximum cutoff length at the top of pile is 10'-0".

PRECAST PRESTRESSED PILES

P_f = Prestressing force (After losses) If section used is larger than the min. section shown, then " P_f " shall provide 700 psi min.

Concrete strength: $f'c$ @ 28 days = 6,000 psi (Alternative "X")
5,000 psi (Alternative "Y")
 $f'c$ @ transfer = 4,000 psi

DESIGN LOADING

Class 45 = 45 tons
Class 70 = 70 tons

SEE STANDARD PLAN B2-6 FOR METRIC VERSION

* Except as noted

STANDARD DRAWING						BRIDGE NO.		PILE WITH STRAY CURRENT PROVISIONS	
RELEASE DATE	10/7/92	DESIGN	BY J.C. Moese	CHECKED A.M. Marquez	RELEASED BY				
FILE NO.	xs6-030	DETAILS	BY R. Yee	CHECKED A.M. Marquez	OFFICE CHIEF				
		SUBMITTED	BY Ted Jensen	DRAWING DATE 7/92					
DS OSD 2147A (CADD 8/95)						KILOMETER POST		PILE DETAIL CLASS 45 & CLASS 70	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						CU EA		DISREGARD PRINTS BEARING EARLIER REVISION DATES	
								REVISION DATES (PRELIMINARY STAGE ONLY)	
								SHEET OF	

USERNAME => jsanchez

xs6-030.dgn